PROGRESS REPORT THROUGH AUGUST 2019

Site Name:	**Pristine**
Project Number:	1453-039-00-10 0003AP
Vehicle:	SSP&A
SSID:	0556
EPA CERCLA ID:	OHD076773712
RPM:	Judy Canova

Work Performed:

During this period, SSP&A worked on gradient map updates, trend analysis, compiling data for GW modeling effort, compiling pumping data, comments and tech memo on the 2004 CRA groundwater model, also updated trend and gradient plots, evaluating changes in gradients post-turning on EW4. SSP&A worked on the data gaps memo and responded to 2018 report comments. SSP&A reviewed the CRA (2004) model, modified model surfaces at layers 4 and 5, compiled pumping and monitoring wells information (x,y coordinates, top and bottom of screen, elevation) and water-level data, built a transient model with 23 stress periods simulating flow from 1996-2018 and started calibrating the model by adjusting K, preparing target files for upper aquifer GW wells. SSP&A worked on spatial analyses, including the use of R and repackaging maps in older ArcMap version. Communications with EPA.
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Completion (1 May 2017 through August 31, 2019):

% of Scope:	78%
% of Obligated Funds:	78%
% of Approved Funds:	78%

Remaining Funding:

Obligated Funds	$191,729.44
Funds Used	$148,802.11
Remaining Funds	$42,927.33
Non-obligated Funds Remaining	$0.00

Anticipated Delays or Issues:
None.

Forecasts of Potential New Tasks or Additional Hours/Costs:
None.

Personnel Changes:
None.

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Contract Task #	Project Task #	Task	Work to be Completed	Estimated Completion / Delivery Date	Deliverable*
2.A.1	4 and 8	Mapping Hydraulic Gradients	Hydraulic gradient analysis Technical Memo: Use the mapping tools developed in Phase I, for mapping of new of water level maps, as required, that better incorporate localized data such as the various pumping conditions of the two localized municipal drinking water extraction systems, the river, the buried bedrock channel, apparent eastward flow conditions in along the eastern boundary of the landfill, the depth of leachate and other site specific conditions. Web-based Map : Provide results of new analysis in the existing Web-based GIS tool developed in Phase I	60 days from receipt of data. 60 days from request.	Technical Memo; Web map
2.A.2	3	Optimizing Groundwater Monitoring Networks:	Technical Memo on resolving data gaps : Review RP's plan to resolve the data gap delineated in Phase I.	60 days from request.	Technical Memo
2.A.3	1,5,6,7	Evaluating Remedy Effectiveness and Remedial Progress:	Technical Memo on updated modeling and status of remedy progress: Review any recent hydrogeologic studies and monitoring reports and a confirmation or an updating of the site conceptual hydrogeologic model and status of remedy progress if needed. 7) If requested by EPA, use the existing groundwater flow models updated in Phase I as required to be to determine remedy performance and evaluate the RP's proposed augmentation of the Site's remedy draft Technical Memo on areas of capture final Technical Memo on areas of capture: Determine expected temporal (separate & combined) areas of capture for the current two localized municipal drinking water extraction systems based on the RP proposed augmentation of the Site's remedy draft Technical Memo on MNA expected performance final Technical Memo on MNA expected performance: Determine expected performance of Monitored Natural Attenuation (MNA) as a remedy based on RP proposed augmentation of the Site's remedy	Draft: 75 days after receiving data Final: 30 days after receiving comments	Technical Memos
2.A.4	2	Optimizing Remedial Actions:	Technical Memo detailing the analysis methods and results of the analysis. Electronic files of results as described in Task description. Analyze the RP proposed augmentation of the Site's remedy to determine effects on groundwater contaminate conditions nature and extent and determine changes over-time and determine 3D plume stability.	Draft: 75 days after receiving data Final: 30 days after	Technical Memo

				receiving comments	
2.A.5.1	Optional 1	Review and Comment of EPA Region 5 Reports	Technical Memos on review of 4 periodic groundwater monitoring reports: Review four periodic groundwater monitoring reports that RPs are required to submit throughout the year.	60 days from request.	Techical Memos
2.A.5.2	Optional 2	Review and Comment of EPA Region 5 Reports	Evaluate one RP report that includes Remedy Effectiveness and Remedial Progress detailing the analysis methods and results of the analysis: Provide comprehensive detailed written report on the review of one additional RP developed Remedy Effectiveness and Remedial Progress report that may be submitted including reviewing the results of RP's analysis of the proposed augmentation of the Site's remedy.	Draft Report due 75 days from request Final Report within 30 days of receipt of comments.	Report